

Abstract

An automatic drawing creation system in which dimension lines required for a two-dimensional drawing are automatically written when the two-dimensional drawing is created from a three-dimensional model. A product specification determination means 10 creates a three-dimensional model which is then held while being associated with its attribute values. After a specified drawing frame is extracted from a drawing frame database 18 by an automatic drawing creation means 22, a two-dimensional projection drawing is created on the extracted drawing frame by projecting the three-dimensional model. Then, dimension line elements dependent on the shape of the two-dimensional projection drawing is extracted from a dimension database 16 and deformed according to attribute values of a product, a required dimension line element 28 and the two-dimensional projection drawing are compounded by an automatic drawing creation means 26, and the compounded two-dimensional projection drawing is outputted as a drawing 30 from a drawing presentation means 24.